

HOMESTAKE

MINING

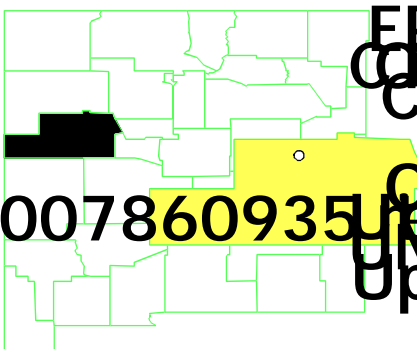
COMPANY

NEW MEXICO

EPA ID# NMD007860935

EPA REGION 6
CONGRESSIONAL DISTRICT 2
Cibola County

Other Names:
UNC/Threatened
Update 3/25/97



Site Description

Location: 5.5 miles north of Village of Milan in northern

Population: Approximately 200 people live within a

Setting: Nearest residence is 3,000 feet away.

Nearest drinking water well is 3,000 feet

Threatened population in four subdivisions

Active tailings pile - 200 acres, 95-100

Inoperative tailings pile - 45 acres, 25

Uranium mill facility is still operating.

Hydrology: Tailings located on alluvium, overlying

Alluvium used as domestic water supply

Extensive injection/withdrawal system

largely flushed alluvial and upper chert

Ground Water Discharge Plan (DP-200).

Wastes and Volumes

! Principal Pollutants:

- Alkaline mill tailings

- Radium-226: 60-100 picocuries/liter in ta

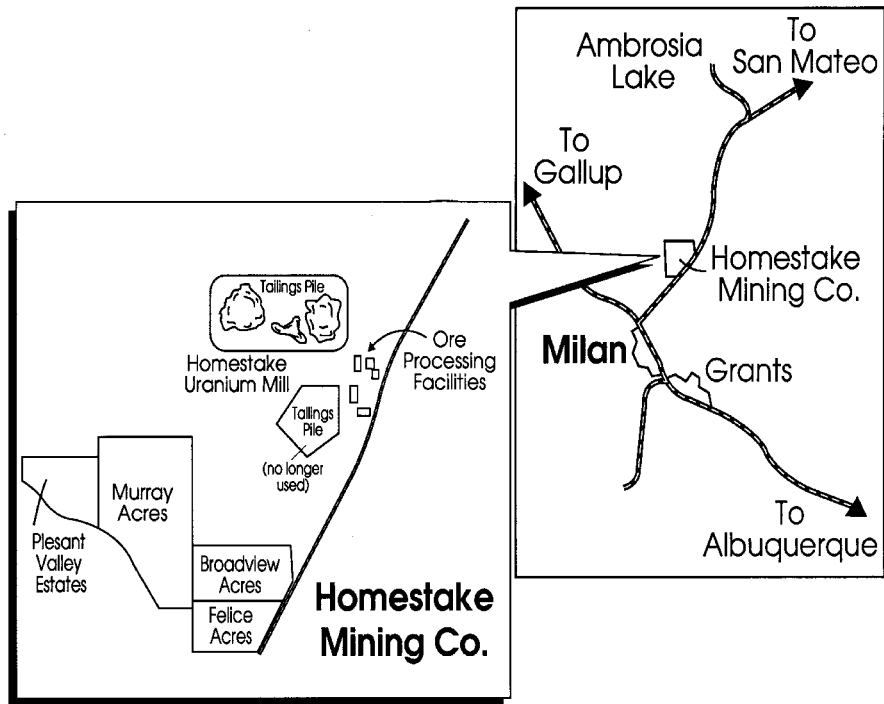
- Selenium: 1,200 parts per billion (ppb) (w

- Uranium: 720 ppb (water)

- Radon: 0.03 Working Level (WL) (air)

! Volume:

- Tailings piles - 22,225 million tons.





Benefits

- The contaminant plume has been driven back injecting fresh water down gradient of the site. removed.
- Reverse gradient injection has assured that the shallow aquifer, thus making the shallow water have been closed, the site could be returned to
- Permanent alternate water supplies were provided.